



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)



CONFIRMATION NO. 4945

Bib Data Sheet

SERIAL NUMBER 10/644,098	FILING DATE 08/20/2003 RULE	CLASS 347	GROUP ART UNIT 2853	ATTORNEY DOCKET NO. Q77089
-----------------------------	-----------------------------------	--------------	------------------------	----------------------------------

## APPLICANTS

Hiroshige Owaki, Nagano, JAPAN;

Munehide Kanaya, Nagano, JAPAN;  
Takayoshi Katsumura, Nagano, JAPAN;

## \*\* CONTINUING DATA \*\*\*\*\*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

 JAPAN P2002-240420 08/21/2002  
 JAPAN P2002-240421 08/21/2002  
 JAPAN P2002-240422 08/21/2002

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 11/13/2003

Foreign Priority claimed	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY	SHEETS	TOTAL	INDEPENDENT
35 USC 119 (a-d) conditions met	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	JAPAN	DRAWING 16	CLAIMS 26	CLAIMS 4
Verified and Acknowledged	Examiner's Signature Initials				

## ADDRESS

 23373  
 SUGHRUE MION, PLLC  
 2100 PENNSYLVANIA AVENUE, N.W.  
 SUITE 800  
 WASHINGTON , DC  
 20037

## TITLE

Liquid ejection head and liquid ejection apparatus using the same

FILING FEE	FEES: Authority has been given in Paper	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees ( Filing )
		<input type="checkbox"/> 1.17 Fees ( Processing Ext. of